Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/06/2022 08:50 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125647	0	1.71	125570	1.70
Blue	F	SSC	125000	123796	-1	2.63	124324	2.46
Blue	E	FITC	13602	13252	-3	2.87	370	14.42
Blue	D	PE	24891	24466	-2	2.40	580	11.04
Blue	B	PerCP-Cy5-5	33972	33341	-2	3.51	949	15.75
Blue	A	PE-Cy7	22865	22680	-1	5.61	470	32.01
Red	C	APC	47198	46614	-2	3.20	1611	11.67
Red	A	APC-Cy7	26454	25474	-4	3.63	718	12.33
Violet	B	V450	6737	6417	-5	4.43	448	12.11
Violet	A	V500	29317	28111	-5	4.12	960	8.97

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23873	3.42	569	34	N/A	N/A	Pass
Blue	F	SSC	55481	2.35	523	2	N/A	N/A	Pass
Blue	E	FITC	56	57.02	491	7	0.0378	161	Pass
Blue	D	PE	113	39.41	494	8	0.3442	265	Pass
Blue	B	PerCP-Cy5-5	149	44.19	589	10	0.0180	98	Pass
Blue	A	PE-Cy7	77	85.11	633	12	0.0206	6	Pass
Red	C	APC	339	26.13	575	3	0.0279	197	Pass
Red	A	APC-Cy7	134	35.04	552	1	0.0066	1509	Pass
Violet	B	V450	76	49.42	445	-5	0.0537	2497	Pass
Violet	A	V500	112	39.74	465	-4	0.0285	2858	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.65	-31.47	1.16
Blue	20.35	16.28 - 24.42	1.29	1.03 - 1.55	0.00	0.00	1.44
Red	14.87	13.90 - 20.86	N/A	N/A	29.83	30.06	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.77

Threshold

Threshold (FSC): 10013

Fluidics

FACSFlow Pressure: 4.00 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments